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MAY 1 1968

CURRENT SERIAL RECORDS

WATER SUPPLY OUTLOOK FOR NEVADA

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE---SOIL CONSERVATION SERVICE,

and

NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed on the last page of this report.

AS OF
FEB. 1, 1968

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data or reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

D. A. WILLIAMS, Administrator

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 507, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	P. O. Box 38, Boise, Idaho 83707
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 Federal Office Building, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

D.A. WILLIAMS

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

|||||

Released by

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SOIL CONSERVATION SERVICE
RENO, NEVADA

In Cooperation with

ELMO J. DE RICCO

DIRECTOR
DEPARTMENT OF CONSERVATION AND
NATURAL RESOURCES
CARSON CITY, NEVADA

|||||

Report prepared by

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and

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SOIL CONSERVATION SERVICE
P. O. BOX 4850
RENO, NEVADA

INDEX TO NEVADA SNOW COURSES (By Basins)

NUMBER NAME SEC. TWP. RGE. ELEV.

SNAKE RIVER BASIN

SNAKE RIVER

15H1MA	BEAR CREEK	31	46N	58E	7800
15H2	FOX CREEK	33	46N	58E	6800
15H13	GOAT CREEK	31	46N	60E	8800
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E	3945
14H1	JACKS CREEK	6	42N	62E	7000
15H20a	MERRITT MOUNTAIN	10	46N	54E	7000
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330
15H18a	RED POINT	15	47N	61E	7940
15H3A	76 CREEK	6	44N	58E	7100
15H19a	5TAG MTN.	29	41N	58E	7800

OWYHEE MTR.

15H4MP	81G BENO	30	45N	56E	6700
16H6a	COLUMBIA BASIN	31	44N	53E	6650
16H8a	FAWN CREEK	2	45N	52E	7000
15H5	GOLD CREEK	32	45N	56E	6600
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2A	JACK CREEK, UPPER	9	42N	53E	7200
16H4	JACKS PEAK	28	42N	53E	8420
16H5	LAUREL DRAW	20	45N	53E	6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440
15H9MP	TAYLOR CANYON	35	39N	53E	6200

INTERIOR

UPPER HUMBOLDT RIVER

15J17a	AMERICAN BEAUTY	32	31N	58E	7800
16H6e	COLUMBIA BASIN	31	44N	53E	6650
15J12A	CORRAL CANYON	27	28N	57E	8500
15J1MP	DOORSEY BASIN	28	35N	60E	8100
15J3	ORY CREEK	5	34N	60E	6500
15H7	FRY CANYON	31	31N	54E	6700
15J9MP	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
15J4	LAMOILLE #1	15	32N	58E	7100
15J5	LAMOILLE #2	14	32N	58E	7300
15J6M	LAMOILLE #3	24	32N	58E	7700
15J7	LAMOILLE #4	19	32N	59E	8000
15J8P	LAMOILLE #5	31	32N	59E	8700
15J18a	POLE CANYON	31	35N	61E	9140
15J16a	ROBINSON LAKE	23	33N	59E	9200
15H6MP	ROOEO FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H8	TREMEWAN RANCH	9	39N	55E	5700
15H10P	TROUT CREEK, LOWER	28	37N	61E	6900
15H11A	TROUT CREEK, UPPER	4	36N	61E	8500

LOWER HUMBOLDT RIVER

17K1	81G CREEK CAMP GROUND	10	17N	43E	6600
17K2	81G CREEK MINE	23	17N	43E	7600
17K3	81G CREEK, UPPER	26	17N	43E	8000
17H2	BUCKSKIN, LOWER	25	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	8200
17J2	GOLCONDA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	35E	7800
17H5	LAMANCE CREEK	13	42N	38E	6000
17L1	LOWER CORRAL	12	11N	40E	7500
17H3	MARTIN CREEK	18	44N	40E	6700
16H3AP	MIDAS	18	39N	46E	7200
18H7	TOE JAM a	29	40N	50E	7700
17L2	UPPER CORRAL	20	11N	41E	8500

EASTERN NEVADA

14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	68E	9250
14K2	BERRY CREEK	23	17N	65E	9100
14K1	BIRO CREEK	24	19N	65E	7500
15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN	6	35N	61E	7900
14K8	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	26	16N	62E	7250
15K1	ROBINSON SUMMIT	23	18N	61E	7600
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARD MOUNTAIN #2	25	15N	62E	7875
15L1	WHITE RIVER #1	31	13N	59E	7400

CENTRAL GREAT BASIN

18M2	CAMPITO MTN (CAL.)	19	5S	35E	10200
18M5a	CHICTOVICH FLAT	32	25	34E	10500
15N2	CLARK CANYON	8	19S	56E	9000
18M1	MONTGOMERY PASS	4	1N	33E	7100
18M3a	PINCHOT CREEK	28	1N	33E	9300
18M4a	PIUTE PASS (CAL.)	33	4S	33E	11700
15N1	TROUGH SPRINGS	23	18S	55E	8500

NORTHERN GREAT BASIN

19H1	BALO MOUNTAIN	17	45N	21E	6720
20H5	BARBER CREEK (CAL.)	23	39N	16E	6500
20H6	CEDAR PASS (CAL.)	12	43N	14E	7100
18G6a	GENIO CREEK (OREG.)	14	41S	34E	6000
18H1	DISASTER PEAK	8	47N	34E	6500
20H3a	DISMAL SWAMP (CAL.)	31	48N	22E	7000
20H7	EAGLE PEAK (CAL.)	35	40N	15E	7200
19H3	49-MTN	7	42N	19E	6000
19H2	HAYS CANYON	1	39N	18E	6400
19H4a	LITTLE BALLY MTN	8	45N	19E	6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN RIDGE	9	47N	41E	6300
20H4	RESERVATION CREEK (CAL.)	12	46N	15E	5900
18G5a	TROUT CREEK (OREG.)	10	41S	38E	7800

NUMBER NAME SEC. TWP. RGE. ELEV.

LAKE TAHOE

19L14	OAGGETTS PASS	19	13N	19E	7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450
19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
19K6	GLENBROOK #2	13	14N	18E	6900
19L3M5Z	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8200
19K4M5TZ	MARLETTE LAKE	18	15N	19E	8000
20L3	RICHARSONS #2 (CAL.)	6	12N	18E	6500
20L1	RUBICON #1 (CAL.)	6	13N	17E	8100
20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17M	WARD CREEK (CAL.)	21	15N	16E	7000
20K255TZ	WARD CREEK #2 (CAL.)	21	15N	16E	6750

TRUCKEE RIVER

20K14	80CA #2 (CAL.)	28	18N	17E	5900
20K22	BRUCKWAY SUMMIT (CAL.)	3	17N	16E	7100
20K21	DOONER PARK #2 (CAL.)	18	17N	16E	6000
20K10*	DOONER SUMMIT (CAL.)	25	17N	14E	6900
20K7*	FOROYCE LAKE (CAL.)	34	18N	13E	6500
20K8	FURNACE FLAT (CAL.)	10	17N	13E	6700
20K4MP	INDEPENDENCE CREEK (CAL.)	34	19N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
20K6	5AGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	50UAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K2	WEBBER LAKE (CAL.)	29	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000

CARSON RIVER

19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L19a	EBBETS PASS (CAL.)	17	8N	20E	8700
19L6A	POISON FLAT (CAL.)	25	8N	21E	7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050
19L20a	WOLF CREEK (CAL.)	35	8N	20E	8000
19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E	8100

WALKER RIVER

19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAPON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
19L17a	LOBOELL LAKE (CAL.)	20	7N	24E	9200
18L2	MT. GRANT	23	8N	28E	9000
19L7M	SONORA PASS (CAL.)	1	5N	21E	8800
19L23stz	SONORA PASS BRIDGE	6	5N	22E	8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E	9800
19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E	9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250
19L22sz	VIRGINIA LAKES RIDGE	32	3N	25E	9200

COLORADO

LOWER COLORADO RIVER

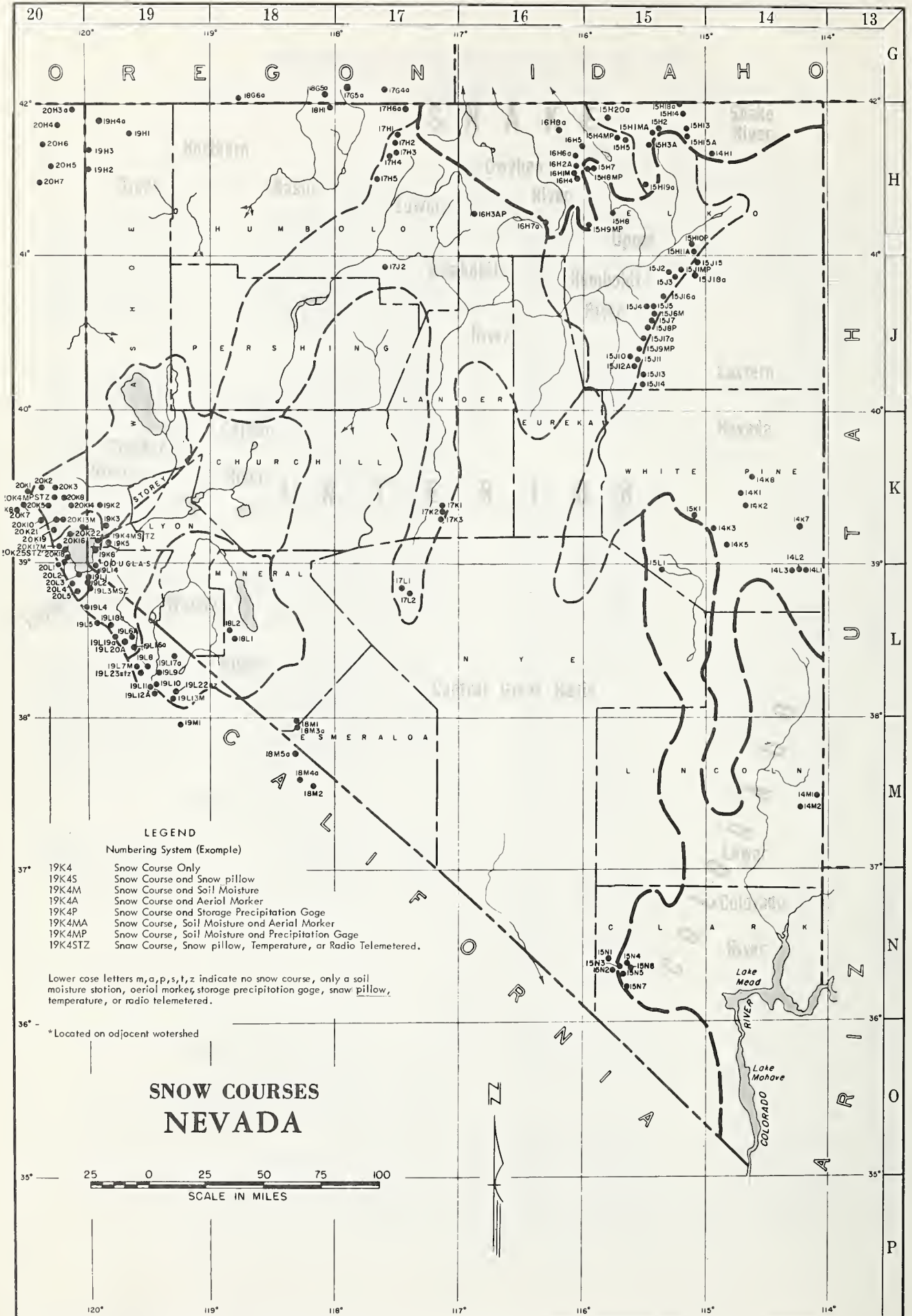
15N5	KYLE CANYON	27	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8400
15N3	LEE CANYON #2	9	19S	56E	9200
15N8	LEE CANYON #3	10	19S	56E	8500
14M1	MATHEW CANYON	10	6S	70E	6000
14M2	PINE CANYON	23	6S	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100

LEGEND NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K45	SNOW COURSE AND SNOW PILLOW
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4A	SNOW COURSE AND AERIAL MARKER
19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE
19K45TZ	SNOW COURSE, SNOW PILLOW AND TEMPERATURE RADIO TELEMETERED.

LOWER CASE LETTERS m,a,p,s,l,z, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER, STORAGE PRECIPITATION GAGE, SNOW PILLOW, TEMPERATURE, OR RADIO TELEMETERED.

*LOCATED ON ADJACENT WATERSHED



WATER SUPPLY OUTLOOK

FOR NEVADA

February 1, 1968

* * * * *
* Nevada's 1968 water supply outlook varies from well below *
* average on the Owyhee to near average on east-slope Sierra *
* streams. Snow cover ranges from less than half of average *
* on the Upper Humboldt to above average on the Lower *
* Colorado Basin in southeastern Nevada. Reservoir storage *
* is 140% of average statewide, but Wild Horse Reservoir is *
* only 33% of average and Rye Patch is 93% of its February 1 *
* average. *
* * * * *

January precipitation was light over most of the state, and selected stations show a drier-than-average trend for the October-January period.

Snow Surveys taken before the January 30 storm showed well below-average water content, while those measured after the storm gained as much as seven inches of water. Basin snow-water averages range from 98% of average on the Upper Humboldt to 124% on the Lower Colorado. The Truckee River Basin is 100% of the February 1 average, and the Tahoe Basin is 95% of average. The Walker and Carson Basins are 52 to 65% of average, based on only a few courses measured, and those measurements were taken prior to the storm.

Radio-reporting snow sensors at Independence Camp, Ward Creek #3, Marlette Lake, Hagans Meadow, Sonora Pass Bridge, and Virginia Lakes Ridge reported water-content increases of 1.3 to 6.9 inches for the last storm period January 25 to February 2.

Soil moisture is near average, and soils will require little snow-melt water this year in order to become fully wetted before runoff occurs.

Nevada reservoir storage is well above average for this time of year, except for Wild Horse and Rye Patch. These reservoirs now hold 4,000 and 52,000 acre-feet, or 33% and 93% of average respectively. Tahoe has 559,000 acre-feet, or 148%, and Lahontan has 226,000 acre-feet, or 138%. Bridgeport and Topaz are near capacity at 41,000 and 56,000 acre-feet respectively.

January streamflow varied from 49% of average on the Owyhee to 98% on the Virgin River. The Humboldt was 65% of average, the West Walker 76%, the Truckee 84% and the Carson at Carson City 89%. Flow of these same streams was 2 to 46% below average for the October-through-January period.

The following table show a comparison of streamflow forecasts for the coming irrigation season the flow of past years:

	April-July Streamflow, Thousand Acre-Feet				
	Forecast 1968	15-Yr. Average	1968 as % of	Measured	
		1948-62	15-Yr. Av.	1967	1966
Owyhee River near Gold Creek, Nev. *	10	22	45	11	6
Owyhee River near Owyhee, Nev. *	34	74	46	72	21
Humboldt River at Palisade, Nev.	90	173	52	200	54
West Walker below East Fork near Coleville, Calif.	119	140	85	236	98
Virgin River at Virgin, Utah **	54	43	126	NA	39

* Corrected for storage in Wild Horse Reservoir.

** April-June forecast furnished by SCS, Salt Lake City, Utah.

NA Not available.

STATUS OF NEVADA RESERVOIR STORAGE

FEBRUARY 1, 1968

BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE STORAGE - 1000 ACRE-FEET			
			1968	1967	1966	FEBRUARY 1 15-YR. AVE. 1948-62
Owyhee	Wild Horse	33	4	2	16	12
Lower Humboldt	Rye Patch	179	52	70	172	56
Colorado	Mohave	1,810	1,691	1,639	1,768	1,319 **
Colorado	Mead	27,217	14,566	15,629	15,502	17,402
Tahoe	Tahoe	732	559	451	555	378
Truckee	Boca	41	1	2	2	8
Truckee	Prosser ***	30	10	9	8	Storage began 1/30/63
Carson	Lahontan	286	226	160	228	164
West Walker	Topaz	59	56	27	50	28
East Walker	Bridgeport	42	41	24	31	24

* Reservoir drained during summer to effect repairs to dam.

** 1950-62

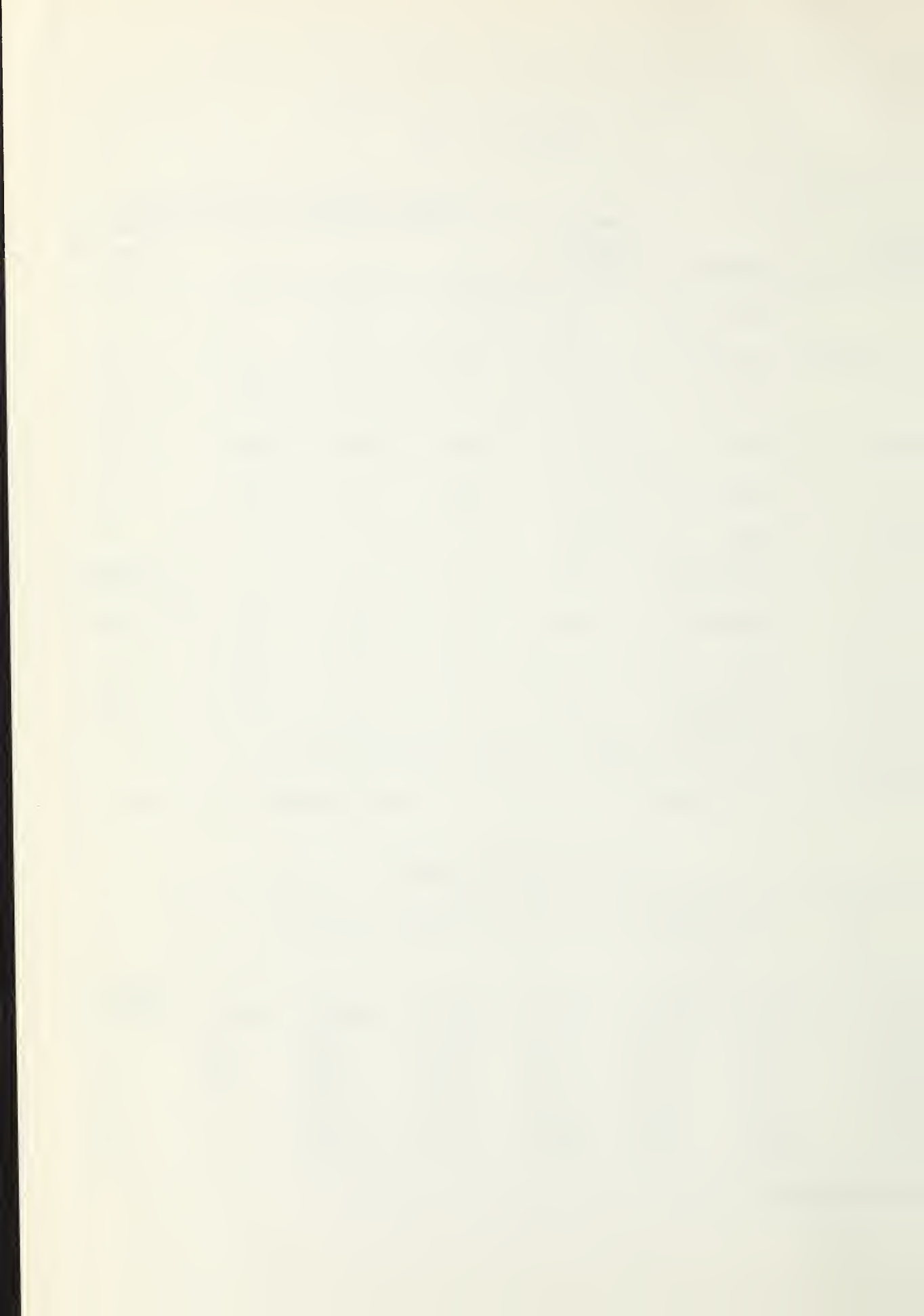
*** Flood control use allocation of 20,000 A.F. between November 1 and April 10.

TOTAL RESERVOIR STORAGE

Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz,
and Bridgeport Reservoirs in 1000's Acre-Feet

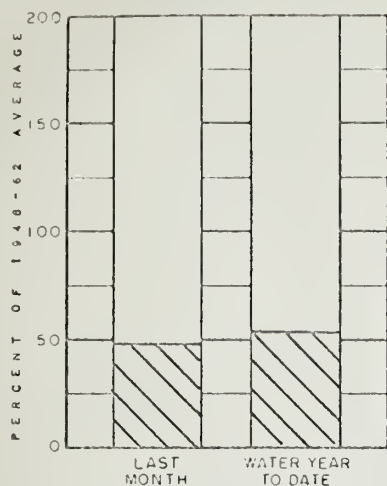
MONTH	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	AVERAGE 1948-62
October 1	338	702	497	1135	559	965	572
January 1	408	748	789	1114	593	904	622
February 1	579	776	922	1051	736	939	670
March 1	690	774	949	1035	792		725
April 1	765	774	1002	1054	943		776
May 1	840	818	1103	1089	978		834

TOTAL USABLE CAPACITY 1,372

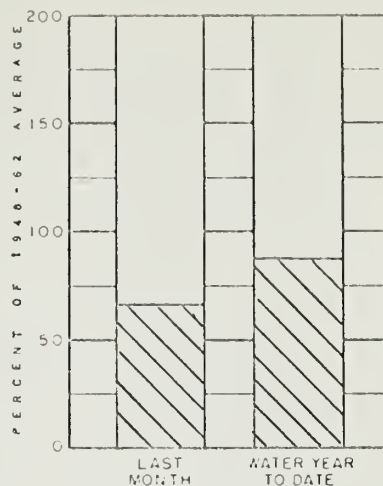


SELECTED CURRENT STREAMFLOW STATIONS

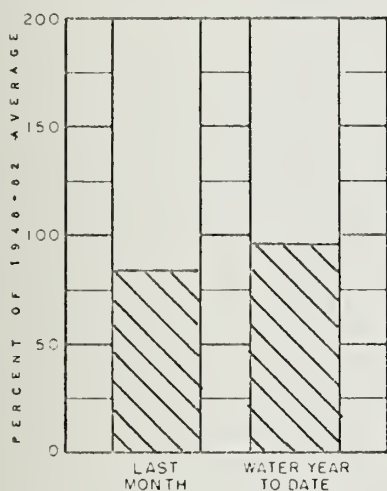
February 1, 1968



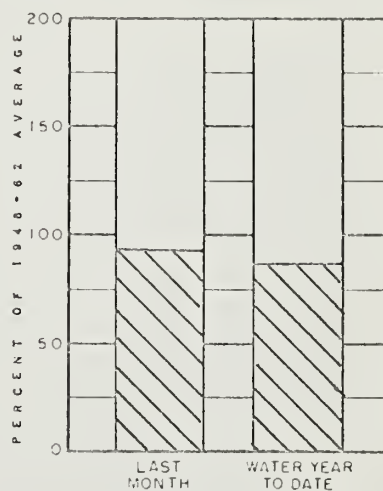
Owyhee near Owyhee, Nev.



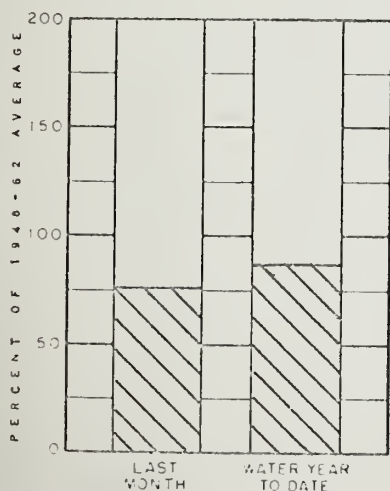
Humboldt at Palisade, Nev.



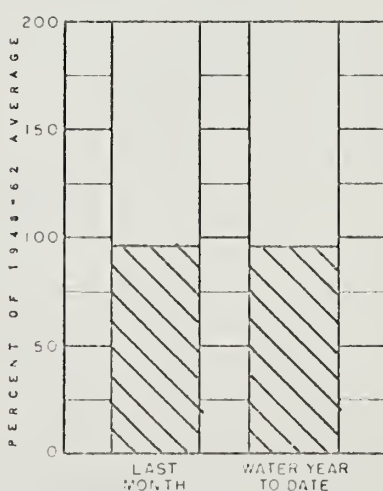
Truckee at Farad, Calif.



Carson near Carson City, Nev.

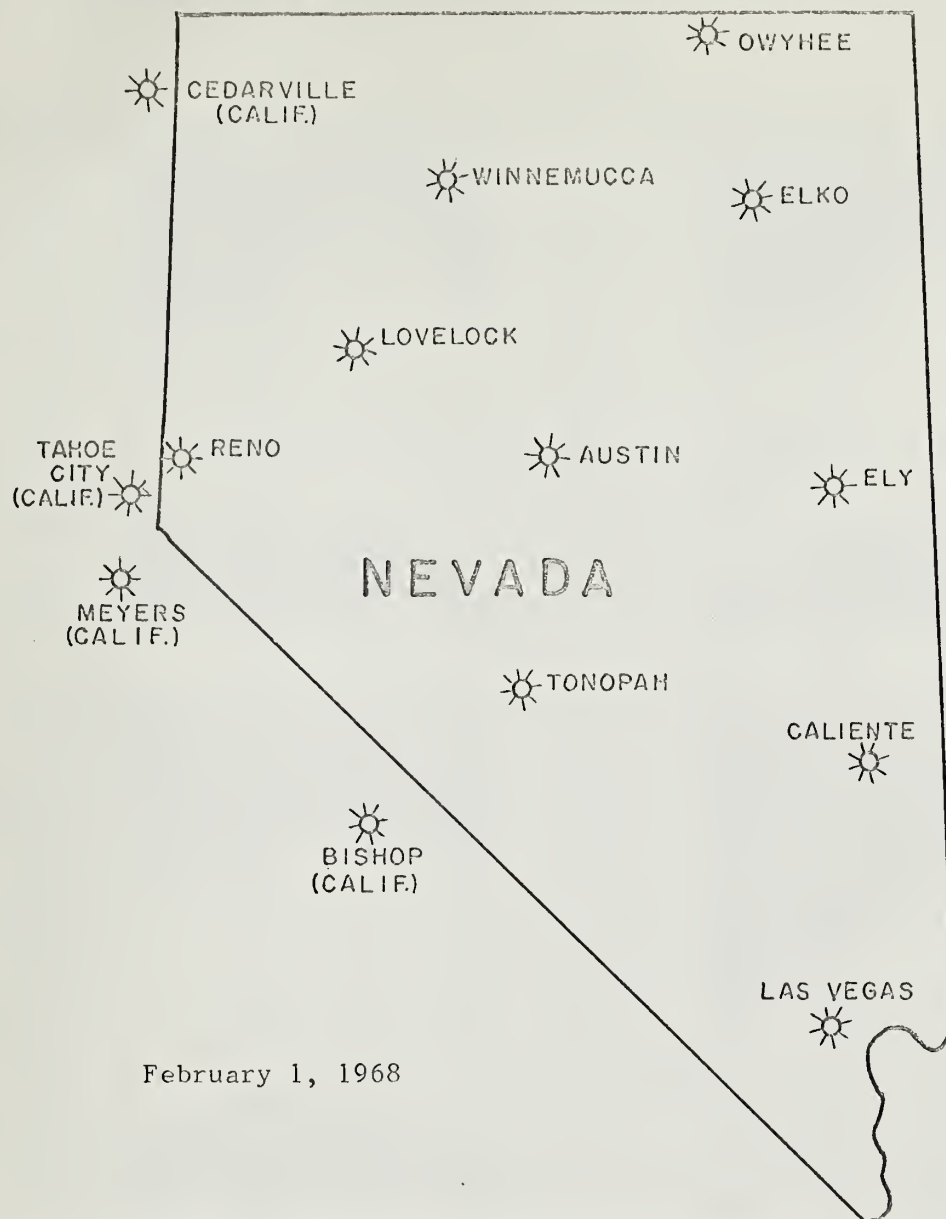


W. Walker near Coleville, Calif.



Virgin at Littlefield Ariz.

SELECTED PRECIPITATION STATIONS^a



February 1, 1968

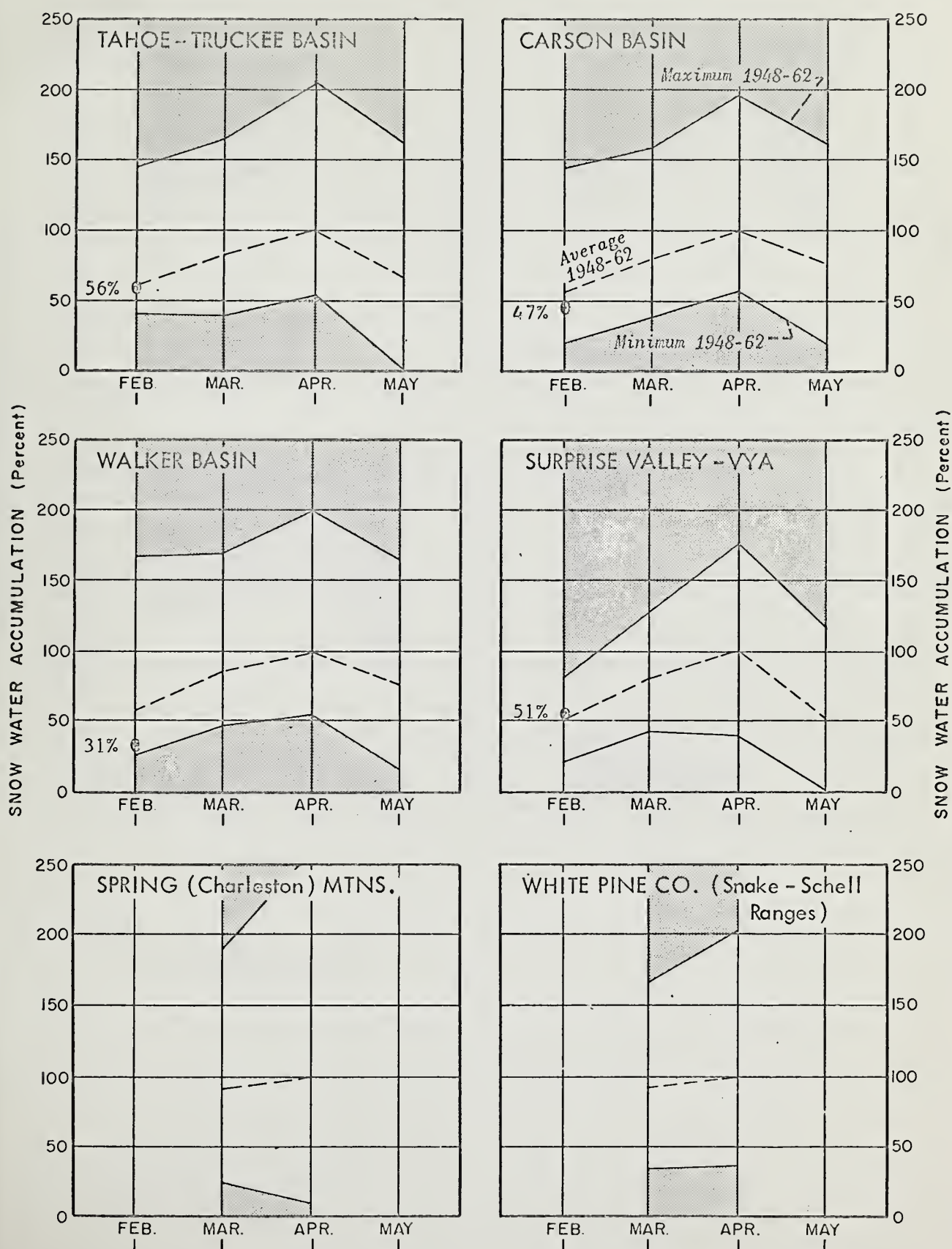
PRECIPITATION as PERCENT of the 1948-62 AVERAGE					
STATION	LAST MONTH	WATER YEAR ^b TO DATE	STATION	LAST MONTH	WATER YEAR ^b TO DATE
Cedarville (Calif.)	67	69	Owyhee	51	61
Tahoe City (Calif.)	80	74	Elko	93	81
Meyers (Calif.)	120	115	Ely	22	82
Bishop (Calif.)	1	60	Austin	69	45
Reno	109	63	Tonopah	NA	NA
Lovelock	46	41	Caliente	36	75
Winnemucca	90	63	Las Vegas	4	74
NA Not Available					

(a) Preliminary Data furnished by U.S. Weather Bureau (b) Oct. 1 to date (c) Report delayed

SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

1968

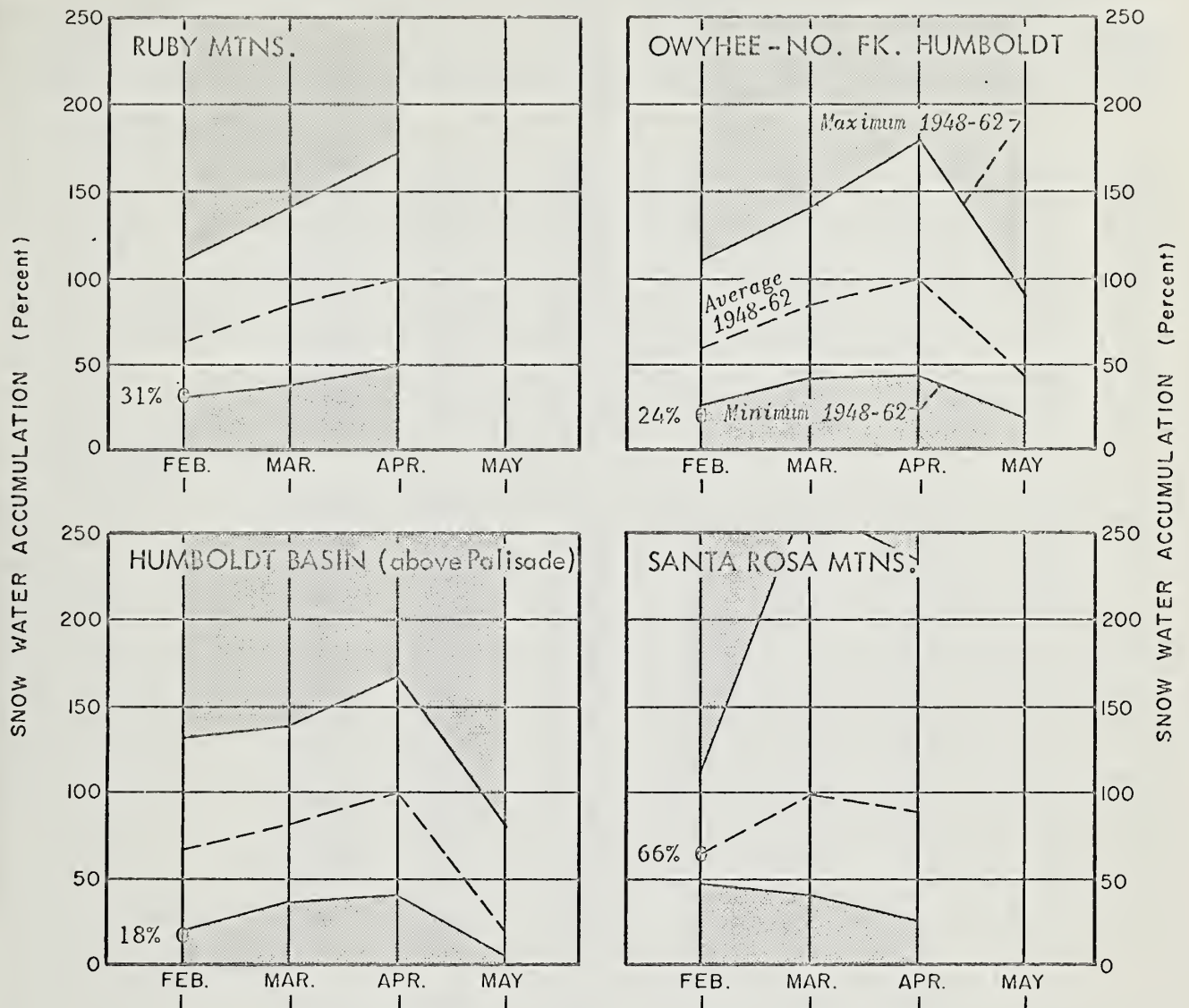


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SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

1968



NOTE

———— 1968
 - - - - - 1948-62 Average

NEVADA SNOW SURVEYS FEBRUARY 1, 1968

DRAINAGE BASIN AND SNOW COURSE	No.	Elev. (Ft.)	SNOW COURSE MEASUREMENTS					
			1968			Past Record		
			Date of Survey	Snow Depth (In.)	Water Content (In.)	Water Content (In.) 1948-62		
						1967	1966	Ave.
<u>SNAKE RIVER</u>								
Bear Creek	15H1MA	7800	2/2	36	10.0a	15.6a	9.8a	11.7 *
+Big Bend	15H4M	6700	1/30	11	2.2	5.3	3.4	6.4 *
Goat Creek	15H13A	8800	2/2	30	8.4a	11.3a	4.1a	10.0 *
+Gold Creek	15H5	6600	1/30	T	T	3.6	2.1	4.7 *
Hummingbird Springs	15H15A	8945	2/2	36	10.0a	17.4a	9.5a	10.7 *
Merritt Mountain	15H20a	7000	1/25	1	0.2a	5.3a	T a	---
Pole Creek R. S.	15H14	8330	1/29	33	9.2	14.7	8.2	10.5 *
Red Point	15H18a	7940	2/2	14	3.9a	13.2a	3.4a	---
76-Creek	15H3A	7100	1/25	11	3.1a	6.7a	4.2a	7.4 *
Stag Mountain	15H19a	7700	1/25	6	1.1a	4.1a	1.4a	---
<u>OWYHEE RIVER</u>								
+Bear Creek	15H1MA	7800	2/2	36	10.0a	15.6a	9.8a	11.7 *
Big Bend	15H4M	6700	1/30	11	2.2	5.3	3.4	6.4 *
Columbia Basin	16H6a	6650	1/25	4	0.9a	6.7a	2.6a	---
Fawn Creek	16H8a	7000	1/25	4	0.9a	4.5a	2.4a	---
+Fry Canyon	15H7	6700	1/30	9	2.1	6.0	5.0	6.0 *
Gold Creek	15H5	6600	1/30	T	T	3.6	2.1	4.7 *
+Granite Peak	17H4	7800	2/1	29	6.6	15.3	5.7	7.5 *
Jack Creek - Upper	16H2A	7250	1/25	5	1.1a	4.9a	2.8a	6.8 *
Laurel Draw	16H5	6700	2/6	20	5.4	6.6	4.2	5.2 *
+Martin Creek	17H3	6700	2/1	28	5.8	12.2	4.0	5.8 *
+Rodeo Flat	15H6M	6800	1/30	6	1.4	4.5	3.4	5.6 *
+76-Creek	15H3A	7100	1/25	11	3.1a	6.7a	4.2a	7.4 *
Taylor Canyon	15H9M	6200	1/31	16	3.5	6.0	4.0	3.9 *
+Toe Jam	16H7a	7700	1/25	37	8.1a	7.5a	4.6a	---
+Tremewan Ranch	15H8	5700	1/30	T	T	2.4	2.2	1.7 *
<u>UPPER HUMBOLDT RIVER</u>								
American Beauty	15J17a	7800	1/25	14	3.1a	8.7a	4.2a	---
+Bear Creek	15H1MA	7800	2/2	36	10.0a	15.6a	9.8a	11.7 *
+Big Bend	15H4M	6700	1/30	11	2.2	5.3	3.4	6.4 *
Corral Canyon	15J12A	8500	1/25	13	3.0a	8.1a	7.6a	---
Fry Canyon	15H7	6700	1/30	9	2.1	6.0	5.0	6.0 *
+Gold Creek	15H5	6600	1/30	T	T	3.6	2.1	4.7 *
+Jack Creek - Upper	16H2A	7250	1/25	5	1.1a	4.9a	2.8a	6.8 *
Lamoille #1	15J4	7100	2/1	22	3.8	8.0	6.0	6.9 *
Lamoille #2	15J5	7200	2/1	19	3.5	7.3	5.9	6.4 *
Lamoille #3	15J6	7700	2/1	26	5.6	10.4	6.4	8.3 *
Lamoille #4	15J7	8000	2/1	27	5.5	15.8	9.5	12.0 *
Lamoille #5	15J8	8700	2/1	37	9.0	19.0	14.0	17.8 *

+ Located on adjacent drainage.

a Aerial snow depth gage reading; water content estimated.

* 1948-62 adjusted average.

b Course disturbed by road construction.

NEVADA SNOW SURVEYS FEBRUARY 1, 1968

DRAINAGE BASIN AND SNOW COURSE			SNOW COURSE MEASUREMENTS					
			1968			Past Record		
			Date of Survey	Snow Depth (In.)	Water Content (In.)	Water Content (In.)		
No.	Elev. (Ft.)					1967	1966	1948-62 Ave.
<u>UPPER HUMBOLDT RIVER (Continued)</u>								
Pole Canyon	15J18a	9140	1/25	5	0.9a	1.2a	3.4a	---
Robinson Lake	15J16a	9200	1/25	11	2.5a	18.0a	19.5a	---
Rodeo Flat	15H6M	6800	1/30	6	1.4	4.5	3.4	5.6 *
+76-Creek	15H3A	7100	1/25	11	3.1a	8.5a	4.2a	7.4 *
+Stag Mountain	15H19a	7700	1/25	6	1.1a	4.1a	1.4a	---
+Taylor Canyon	15H9M	6200	1/31	16	3.5	6.0	3.9	3.9 *
+Toe Jam	16H7a	7700	1/25	37	8.1a	7.5a	4.6a	---
Tremewan Ranch	15H8	5700	1/30	T	T	2.4	2.2	1.7 *
Trout Creek - Upper	15H11A	8500	1/25	11	2.5a	5.4a	15.6a	---
<u>LOWER HUMBOLDT RIVER</u>								
Granite Peak	17H4	7800	2/1	29	6.6	15.3	5.7	7.5 *
Martin Creek	17H3	6700	2/1	28	5.8	12.2	4.0	5.8 *
Midas	16H3A	7200	1/25	2	0.4a	3.0a	1.0a	---
Toe Jam	16H7a	7700	1/25	37	8.1a	7.5a	4.6a	---
Lower Corral	17L2	7500	1/31	5	0.9	1.5	1.5	---
Upper Corral	17L1	8500	1/31	12	1.5	4.7	3.5	---
<u>QUINN RIVER</u>								
Denio Creek	18G6a	6000	2/5	0	0.0	1.2a	0.8a	---
Louse Canyon	17G4a	6440	2/5	6	1.2a	7.2a	2.5a	---
Oregon Canyon	17G5a	7240	2/5	6	1.2a	8.4a	1.1a	---
Quinn Ridge	17H6a	6300	2/5	6	1.2a	3.0a	0.6a	---
Trout Creek	18G3a	7800	2/5	6	1.2a	9.6a	1.8a	---
<u>LOWER COLORADO RIVER</u>								
Mathew Canyon	14M1	6000	1/31	11	3.6	2.5	0.6	3.0 *
Pine Canyon	14M2	6200	1/31	16	4.1	2.8	2.2	3.2 *
<u>TAHOE</u>								
+Brockway Summit	20K22	7100	2/1	59	13.9	18.1	12.1	---
Daggetts Pass	19L14	7350	1/29	18	5.2	12.5	10.7	8.9 *
Echo Summit	20L5	7500	2/5	65	17.6	33.3	27.4	23.1
Free1 Bench	19L2	7300	1/29	24	6.9	11.8	10.8	8.6 *
Glenbrook #2	19K6	6900	2/3	33	7.9	11.6	10.8	7.6 *
Hagans Meadow	19L3	8000	1/29	31	8.3	16.9	13.9	9.8 *
Marlette Lake	19K4	8000	1/29	38	11.7	20.8	17.8	12.7 *
Richardsons #2	20L3	6500	2/3	54	12.0	15.8	13.1	11.1 *
Tahoe City	20K16	6250	2/4	37	10.1	13.8	10.1	8.4 *
Upper Truckee	19L1	6400	1/29	23	6.2	9.4	10.6	7.4 *
Ward Creek	20K17	7000	2/1	89	27.0	35.0	28.1	25.8 *

+ Located on adjacent drainage.

a Aerial snow depth gage reading; water content estimated.

* 1948-62 adjusted average.

NEVADA SNOW SURVEYS FEBRUARY 1, 1968

			SNOW COURSE MEASUREMENTS					
DRAINAGE BASIN AND SNOW COURSE	No.	Elev. (Ft.)	Date of Survey	Snow Depth (In.)	Water Content (In.)	Past Record		
						Water Content (In.)		
						1967	1966	1948-62 Ave.
<u>TRUCKEE RIVER</u>								
Boca #2	20K14	5900	2/2	35	7.4	6.9	7.0	5.9 *
Brockway Summit	20K22	7100	2/1	59	13.9	18.1	12.1	---
Donner Park #2	20K21	6000	2/1	70	16.4	19.1	14.1	11.2 *
+Donner Summit	20K10	6900	1/25	45	17.3	45.0	25.2	23.4
+Fordyce Lake	20K7	6500	1/24	48	16.0a	-	23.2	23.1 *
+Furnace Flat	20K8	6600	1/24	45	19.0a	-	30.4	26.2 *
Independence Camp	20K4M	7000	1/31	72	18.4	23.8	16.8	---
Sage Hen Creek	20K6	6500	1/31	70	15.9	19.6	14.0	12.2 *
Squaw Valley #2	20K19	7500	2/3	89	29.1	49.1	31.1	29.3 *
Tahoe City	20K16	6250	2/4	37	10.1	13.8	10.1	8.4 *
Truckee #2	20K13M	6400	2/4	46	11.6	18.4	---	10.5 *
+Ward Creek	20K17	7000	2/1	89	27.0	35.0	28.1	25.8 *
<u>CARSON RIVER</u>								
Carson Pass (Upper)	19L4	8600	1/25	41	12.6	34.4	24.1	19.3
Ebbetts Pass	19L19a	8700	2/1	74	20.7a	-	23.0a	---
Wet Meadow Lake	19L18a	8100	2/1	62	17.4a	26.0a	21.6a	---
Poison Flat	19L6A	7900	2/1	48	14.4a	18.0a	15.9a	---
Upper Fish Valley	19L16a	8050	2/1	29	8.7a	15.6a	20.7a	---
Wolf Creek	19L20a	8000	2/1	64	17.9a	28.8a	24.8a	---
<u>WALKER RIVER</u>								
Center Mountain	19L12A	9400	2/1	78	23.4a	37.4a	24.8a	---
Lobdell Lake	19L17a	9200	2/1	28	8.4a	18.0a	13.8a	---
Sonora Pass	19L7	8800	1/26	29	8.1	26.6	18.3	13.0 *
Tioga Pass	19M1	9900	1/30	25	7.9	29.0	14.2	16.2 *
Virginia Lakes	19L13	9500	1/25	18	4.8	18.4	13.8	10.7 *
<u>WHITE MOUNTAINS</u>								
Campito Mountain	18M2	10200	1/31	7	2.4	11.6	---	3.7 *
Chiatovich Flat	18M5a	10500	2/1	4	1.2a	7.3	T	---
Montgomery Pass	18M1	7100	1/29	0	0.0	2.4a	3.5	0.8 *
Pinchot Creek	18M3a	9300	2/1	T	T	0.8a	T	---
Piute Pass	18M4a	11700	2/1	2	0.6a	9.2a	5.4	---
<u>NORTHERN GREAT BASIN (Surprise Valley)</u>								
Barber Creek	20H2	6500	1/30	36	7.4	5.8	6.1	7.6 *
Cedar Pass	20H6	7100	2/1	41	10.8	11.1	7.4	10.0
Dismal Swamp	20H3a	7000	1/26	22	5.5a	13.4a	9.2a	8.2 *
49-Mountain	19H3	6000	1/29	18	3.1	5.5	2.1	3.5 *
Hays Canyon	19H2	6400	1/29	15	3.7	2.8	3.4	2.4 *
Little Bally Mtn.	19H4a	6000	1/26	6	1.5a	3.4a	1.1a	---
Reservation Creek	20H1	5900	1/30	32	5.8	7.0	8.1	7.9 *

+ Located on adjacent drainage.

a Aerial snow depth gage reading; water content estimated.

* 1948-62 adjusted average.

NEVADA SNOW SURVEYS FEBRUARY 1, 1968

DRAINAGE BASIN AND SNOW COURSE			SNOW COURSE MEASUREMENTS					
			1968			Past Record		
			Date of Survey	Snow Depth (In.)	Water Content (In.)	Water Content (In.)		
No.	Elev. (Ft.)					1967	1966	1948-62 Ave.

EASTERN NEVADA

Baker #3	14L3A	9250	2/2	36	8.3	--	--	--
Silver Creek #2	14K7A	8000	2/2	21	4.8	--	--	--
Ward Mountain #2	14K5A	8900	2/2	15	3.4	--	--	--

+ Located on adjacent drainage.

a Aerial snow depth gage reading; water content estimated.

* 1948-62 adjusted average.

NEVADA SOIL MOISTURE

February 1, 1968

BASIN AND STATION				SOIL MOISTURE			
				PROFILE (Inches)			
Elevation	Depth	Capacity		Date	This Year	Last Year	2 Years Ago

OWYHEE-HUMBOLDT

Big Bend	6700	48	16.7	1/30	14.9	15.7	14.8
Rodeo Flat	6800	42	11.0	1/30	10.4	10.6	10.6
Taylor Canyon	6200	48	15.1	1/31	14.5	12.1	12.3

TAHOE-TRUCKEE

Independence Camp	7000	34	6.1	1/31	5.1	5.4	-
Marlette Lake	8000	50	3.7	12/26	2.5	3.2	-
Sonora Pass	8800	48	8.3	1/26	7.7	8.3	-
Ward Creek	7000	49	5.8	2/1	5.6	5.6	-

U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION

DAILY 8:00 A.M. OBSERVATIONS

Redlined by

INDEPENDENCE CAMP
AUTOMATIC SNOW PILLOW

Little Truckee Watershed
7000 Feet Elevation

INCHES OF WATER IN SNOWPACK



U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION



U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION



U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION



U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION



Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

- Agricultural Research Service
- Army
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- U.S. District Court - Federal Water Master
- Weather Bureau

STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Soil Conservation Districts
- Nevada Cooperative Snow Surveys
- Nevada Department of Conservation & Natural Resources
 - Division of Water Resources
 - Nevada State Forester-Firewarden
- Oregon Cooperative Snow Surveys
- University of Nevada
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas & Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Squaw Valley Development Company
- Truckee-Carson Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

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SOIL CONSERVATION SERVICE
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RENO, NEVADA 89505

U. S. DEPARTMENT OF AGRICULTURE
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OFFICIAL BUSINESS

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FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*